

WHAT IS CLAIMED IS:

1. A copyright protection method of digital signal to be inputted to a digital recording apparatus comprising a digital interface, in a header of a transmission frame of said digital signal to be transmitted a copyright protection information being contained, and said copyright protection information restricting recording of said digital signal to be inputted to said digital recording apparatus, wherein said copyright protection information including:

the copy free information for indicating said digital recording apparatus that said digital signal is copy free, and

the information for indicating said digital recording apparatus so that said digital recording apparatus performs copy management in compliance with the copyright information included in the content of said transmitted transmission frame.

2. The copyright protection method of digital signal as claimed in claim 1, wherein said digital interface is an interface based on IEEE1394 format.

3. The copyright protection method of digital signal as claimed in claim 1, wherein if said digital recording

apparatus is a recording apparatus having the hardware which does not performs processing of data in compliance with said copyright information, said transmission frame is supplied to the digital recording signal processing section only when said copyright protection information indicates copy free.

4. The copyright protection method of digital signal as claimed in claim 1, wherein if said digital recording apparatus is a recording apparatus having the hardware which performs processing of data in compliance with said copyright information, said digital interface detects based on said copyright protection information whether the copyright information included in the content of said transmission frame indicates the compliance, and if the result is YES, said copyright information in said content is acquired based on the signal format type information of said transmission header.

5. A medium for receiving a content including digital signal for performing copyright protection, in a header of a transmission frame of said digital signal to be transmitted a copyright protection information being contained, said copyright protection information restricting recording of said digital signal to be inputted to said digital recording apparatus, wherein said copyright

protection information includes;

the copy free information for indicating said digital recording apparatus that said digital signal is copy free, and

the information for indicating said digital recording apparatus so that said digital recording apparatus performs copy management in compliance with the copyright information included in the content of said transmitted transmission frame.

6. A digital recording apparatus provided with a digital interface, wherein said digital recording apparatus has;

means for detecting the copyright protection information provided in a transmission header of a transmission frame of a digital signal inputted through said digital interface, and

means for taking in the transmission frame and for allowing recording processing if said copyright protection information indicates copy free of said digital signal.

7. The digital recording apparatus provided with a digital interface as claimed in claim 6, wherein said digital recording apparatus is a recording apparatus having the hardware which does not perform processing in compliance

with the copyright information included in the content of said input digital signal, and has a switching means for supplying said transmission frame to the digital recording signal processing section only when said copyright protection information indicates copy free.

8. The digital recording apparatus provided with a digital interface as claimed in claim 6, wherein said digital recording apparatus is a recording apparatus having the hardware which performs processing in compliance with the copyright information included in the content of said input digital signal, said digital interface has:

a processing block for detecting based on said copyright protection information whether the copyright information included in the content of said transmission frame indicates the compliance, and

a block for acquiring said copyright information in said content based on the signal format type information of said transmission header if the detection result is YES.

9. A control IC for controlling a link layer of a digital interface mounted on a digital recording apparatus provided with said digital interface, wherein said control IC has;

means for detecting the copyright protection

information provided in a transmission header of a transmission frame of a digital signal inputted through said digital interface, and

means for taking in the transmission frame and for indicating recording processing to said digital recording apparatus if said copyright protection information indicates copy free of said digital signal.

10. The control IC as claimed in claim 9, wherein said control IC is mounted on said recording apparatus which does not perform processing in compliance with the copyright information included in the content of said input digital signal, and has a switching means for supplying said transmission frame to the digital recording signal processing section only when said copyright protection information indicates copy free.

11. The control IC as claimed in claim 9, wherein said control IC is mounted on said recording apparatus which performs processing in compliance with the copyright information included in the content of said input digital signal, and said control IC has:

a processing block for detecting based on said copyright protection information whether the copyright information included in the content of said transmission

frame indicates the compliance, and

a block for acquiring said copyright information in
said content based on the signal format type information
of said transmission header if the detection result is YES.

Add
B1